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... Section 11. Geng and Haynes [135] studied the **Stewart platform** with legs of magnetostrictive material as a vibration **isolation** system. ...

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... part of the study results, which includes a new Terfenol-D actuator design and analysis, a design of a **Stewart platform** as a vibration **isolation** device, and ...

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... **isolation**, suppression and ultra precision articulation over a prescribed frequency



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HA Akeel... - US Patent 5,987,726, 1999 - Google Patents

... utilized for flight simulators, well known as the "**Stewart Platform**"—Stewart, The ... Each slider member includes a **shock absorber** and is connected to position ...

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... It is assumed that a **Stewart platform** is attached to one end of a spacecraft to ... The docking platform can absorb the **shock** by inertial effect, not by damping or ...

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Y Shinomiya, J Nomura, Y Yoshida, T Kimura - Proceedings of the ACM symposium on Virtual reality software ..., 1997 - portal.acm.org

... Figure 5. The basic structure of **Stewart Platform** ... approach switches attached to soft **absorbers**) are attached ... A sensor (**shock sensor**) which senses small shocks ...

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... extending toward one another function similar to an air **shock absorber** whereby the ... 90 along with the separate tubular enclosures 92 form a "**Stewart Platform**". ...

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... preload section in vertical actuators **shock absorbers** suspension system: coil or air springs foundations ... Figure 9. A typical example of a **Stewart platform**. ...

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... engineering applications. These include **shock absorbers**, engine mounts, clutch/brake systems, intelligent structures and valves. When the ...

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Page 1 S R Fig. 1. Triple arm mechanism. Fig. 2. General **Stewart platform** (AA, FF are variable lengths). B1 Fig. 3. Special form of the **Stewart platform**. ...

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... have proved much of the theory and performance of a **Stewart Platform** parallel link ...

Since the work platform needs only three **suspension** points for the six cables ...

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... Examples involving a planar **Stewart platform** with a dome attached and the wheel assembly of a vehicle **suspension** system in three dimensions are analyzed ...

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... supporting chain. These conditions are satisfied by many manipulator systems, particularly those based on the **Stewart platform**. A ...

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NAM Hootsmans, S Dubowsky, PZ Mo - Robotics and Automation, 1992. Proceedings., 1992 IEEE ..., 1992 - [ieeexplore.ieee.org](#)

... k and b are, respectively, the stiffness and damping of the vehicle **suspension**. ... 8.

The VES is a six DOF hydraulically actuated **Stewart platform** developed for ...

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... The joystick was another small size **Stewart platform** mechanism shown in Figure 3.

The ... of the two platforms and the coordinates of the **suspension** points, with ...

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... Parallel **suspension** and driving cables are arranged for increasing the rotational ...

The **Stewart platform** (Stewart, 1965) has proved to be a high precision ...


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